

<p>Substitute for form 1449A/PTO (Modified)</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				<b>Complete if Known</b>	
				Application Number	09/993,342
				Filing Date	November 5, 2001
				First Named Inventor	BLACKBURN, Gary
				Art Unit	1744
				Examiner Name	REDDING, David A.
Sheet	1	of	2	Attorney Docket Number	A-68718-4/RFT/RMS/RMK (463037-00220)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DPR	A1	3,619,511	11-09-1971	Ishikawa	
	A2	4,072,576	02-07-1978	Arwin et al.	
	A3	4,713,347	12-15-1987	Mitchell et al.	
	A4	5,038,852	08-13-1991	Johnson et al.	
	A5	5,100,775	03-31-1992	Smyczek et al.	
	A6	5,126,034	06-30-1992	Carter et al.	
	A7	5,164,319	11-17-1992	Hafeman et al.	
	A8	5,187,096	02-16-1993	Giaever et al.	
	A9	5,200,051	04-06-1993	Cozzette et al.	
	A10	5,471,515	11-28-1995	Fossum et al.	
	A11	5,486,335	01-23-1996	Wilding et al.	
	A12	5,532,128	07-02-1996	Eggers et al.	
	A13	5,585,069	12-17-1996	Zanzucchi et al.	
	A14	5,587,128	12-24-1996	Wilding et al.	
	A15	5,593,838	01-14-1997	Zanzucchi et al.	
	A16	5,603,351	02-18-1997	Cherukuri et al.	
	A17	5,605,662	02-25-1997	Heller et al.	
	A18	5,637,469	06-10-1997	Wilding et al.	
	A19	5,643,738	07-01-1997	Zanzucchi et al.	
	A20	5,653,939	08-05-1997	Hollis et al.	
	A21	5,670,322	09-23-1997	Eggers et al.	
	A22	5,681,484	10-28-1997	Zanzucchi et al.	
	A23	5,726,026	03-10-1998	Wilding et al.	
	A24	5,733,729	03-31-1998	Lipshutz et al.	
	A25	5,755,942	05-26-1998	Zanzucchi et al.	
	A26	5,776,672	07-07-1998	Hashimoto et al.	
	A27	5,846,708	12-08-1998	Hollis et al.	
	A28	5,856,174	01-05-1999	Lipshutz et al.	
	A29	5,863,502	01-26-1999	Southgate et al.	
	A30	5,871,918	02-16-1999	Thorp et al.	
	A31	5,874,219	02-23-1999	Rava et al.	
	A32	5,891,630	04-06-1999	Eggers et al.	
	A33	5,922,591	07-13-1999	Anderson et al.	
	A34	5,929,208	07-27-1999	Heller et al.	

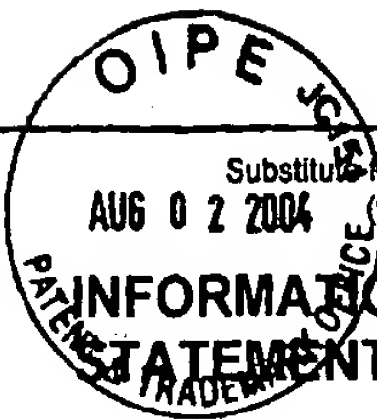
Examiner Signature	<i>David Redding</i>	Date Considered	11-18-04
--------------------	----------------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-766-9199) and selection option 2



<p>Substitute for form 1449A/PTO (Modified) <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)</p>			<b>Complete if Known</b>		
			Application Number	09/993,342	
			Filing Date	November 5, 2001	
			First Named Inventor	BLACKBURN, Gary	
			Art Unit	1744	
			Examiner Name	REDDING, David A.	
Sheet	2	of	2	Attorney Docket Number	A-68718-4/RFT/RMS/RMK (463037-00220)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DR	A35	5,942,443	08-24-1999	Parce et al.	—
	A36	5,945,286	08-31-1999	Krihak et al.	—
	A37	5,945,334	08-31-1999	Besemer et al.	—
	A38	5,965,452	10-12-1999	Kovacs	—
	A39	5,968,745	10-19-1999	Thorp et al.	—
	A40	5,972,692	10-23-1999	Hashimoto et al.	—
	A41	5,989,402	11-23-1999	Chow et al.	—
	A42	5,991,030	11-23-1999	Yamamoto et al.	—
DR	A43	6,740,518 B1	05-25-2004	Duong et al.	—

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
DM	B1	EP 0 142 301 A2	05-22-1985	Serrono Diagnostics Ltd.		
DA	B2	WO 98/12539 A1	03-26-1998	Meso Scale Technologies, LLC		
DM	B3	WO 98/15893 A1	04-16-1998	Advanced Risc Machines Ltd.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
DR	C1	BURNS, M., et al., "An Intergrated Nanoliter DNA Analysis Device," <i>Science</i> 282(5388):484-487 (Oct. 1998).	
DR	C2	CHE, G., et al., "Voltammetry of defect sites at a self-assembled monolayer on a gold surface," <i>J. Electroanal. Chem.</i> 453(1-2):9-17 (Aug. 1998).	
DR	C3	FOJTA, M., et al., "Supercoiled DNA-modified mercury electrode: A highly sensitive tool for the detection of DNA damage," <i>Anal. Chim. Acta</i> 342(1):1-12 (Apr. 1997).	
DR	C4	MIKKELSEN, S., "Electrochemical Biosensors for DNA Sequence Detection," <i>Electroanalysis</i> 8(1):15-19 (1996).	
DR	C5	SINGHAL, P., et al., "Sinusoidal voltammetry for the analysis of carbohydrates at copper eletrodes," <i>Anal. Chem.</i> 69(8):1662-1668 (Apr. 1997).	
DR	C6	WOOD, J.C., et al., "Time-frequency transforms: a new approach to first heart sound frequency dynamics," <i>IEEE Transact. Biomed. Eng.</i> 39(7):730-740 (Jun. 1992).	

Examiner Signature	<i>David Reddy</i>	Date Considered	11-18-04
--------------------	--------------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and selection option 2